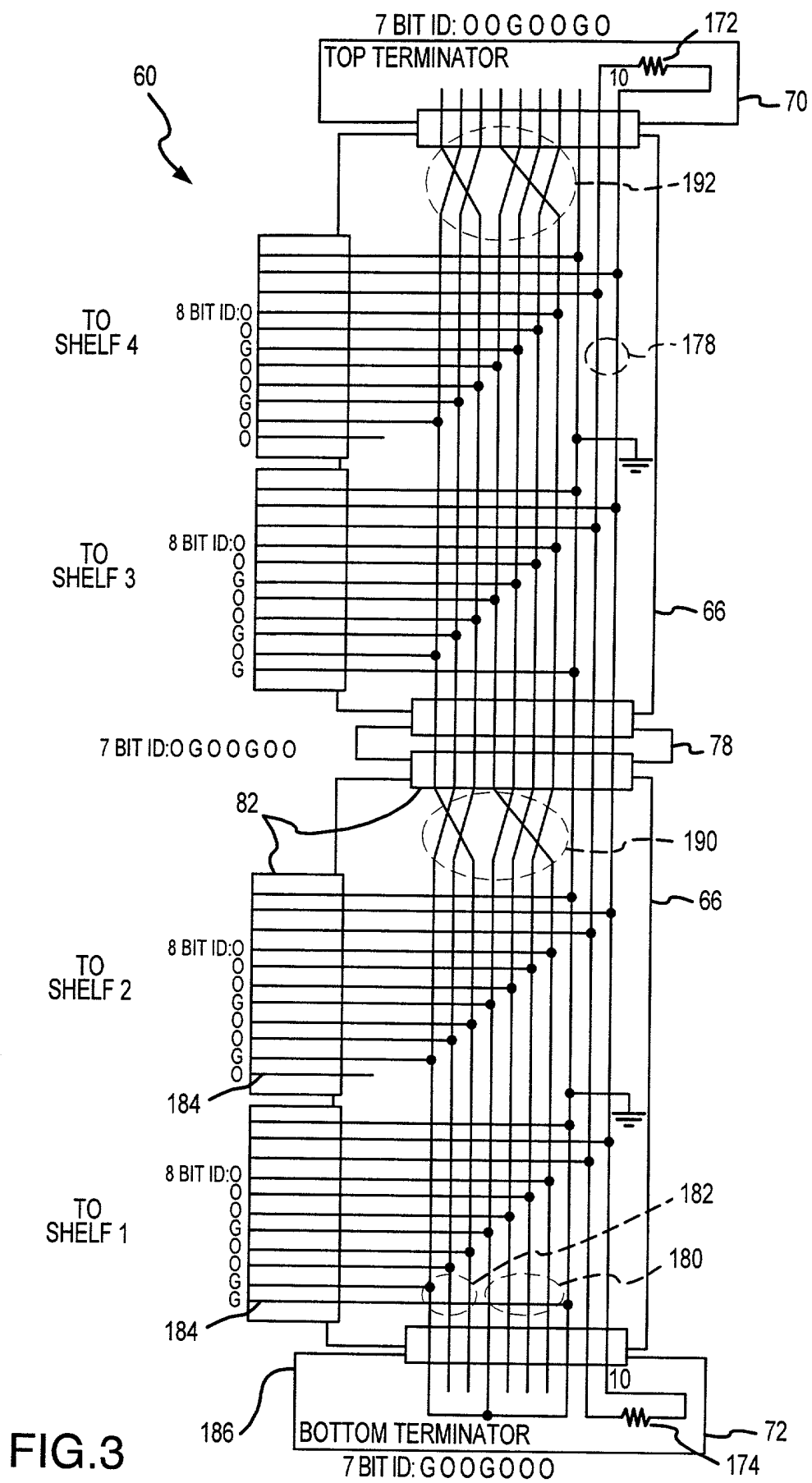


FIG.2



SHELF ID	BITS 7..4	BITS 3..1	BIT 0
1	1110	110	0
2	1110	110	1
3	1101	101	0
4	1101	101	1
5	1011	011	0
6	1011	011	1
7	0111	110	0
8	0111	110	1
9	1110	101	0
10	1110	101	1
11	1101	011	0
12	1101	011	1
13	1011	110	0
14	1011	110	1
15	0111	101	0
16	0111	101	1
17	1110	011	0
18	1110	011	1
19	1101	110	0
20	1101	110	1
21	1011	101	0
22	1011	101	1
23	0111	011	0
24	0111	011	1
CABINET CABLE DISCONNECTED	1111	XXX	X
CABINET CABLE DISCONNECTED	XXXX	111	X

FIG.4

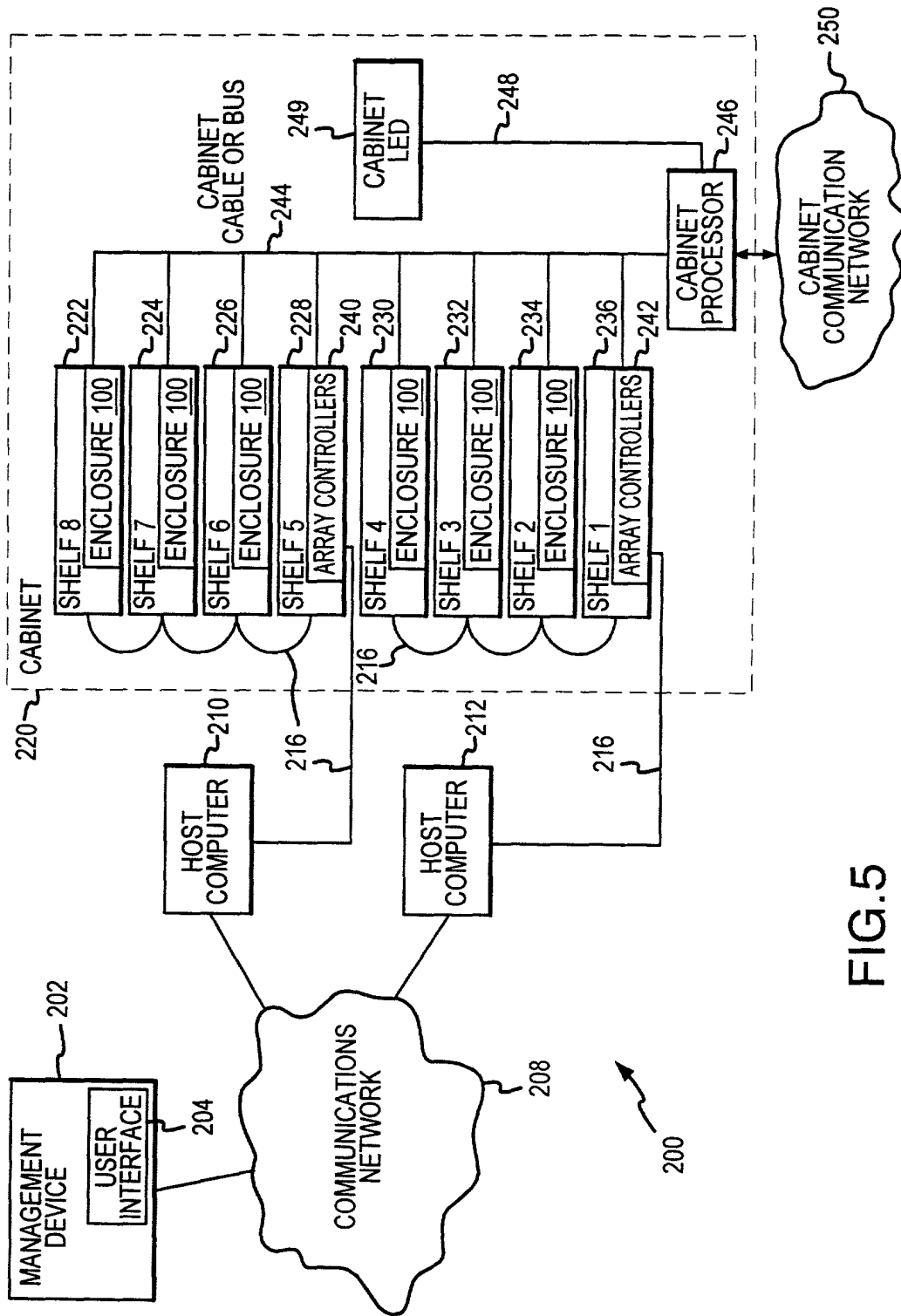


FIG.5

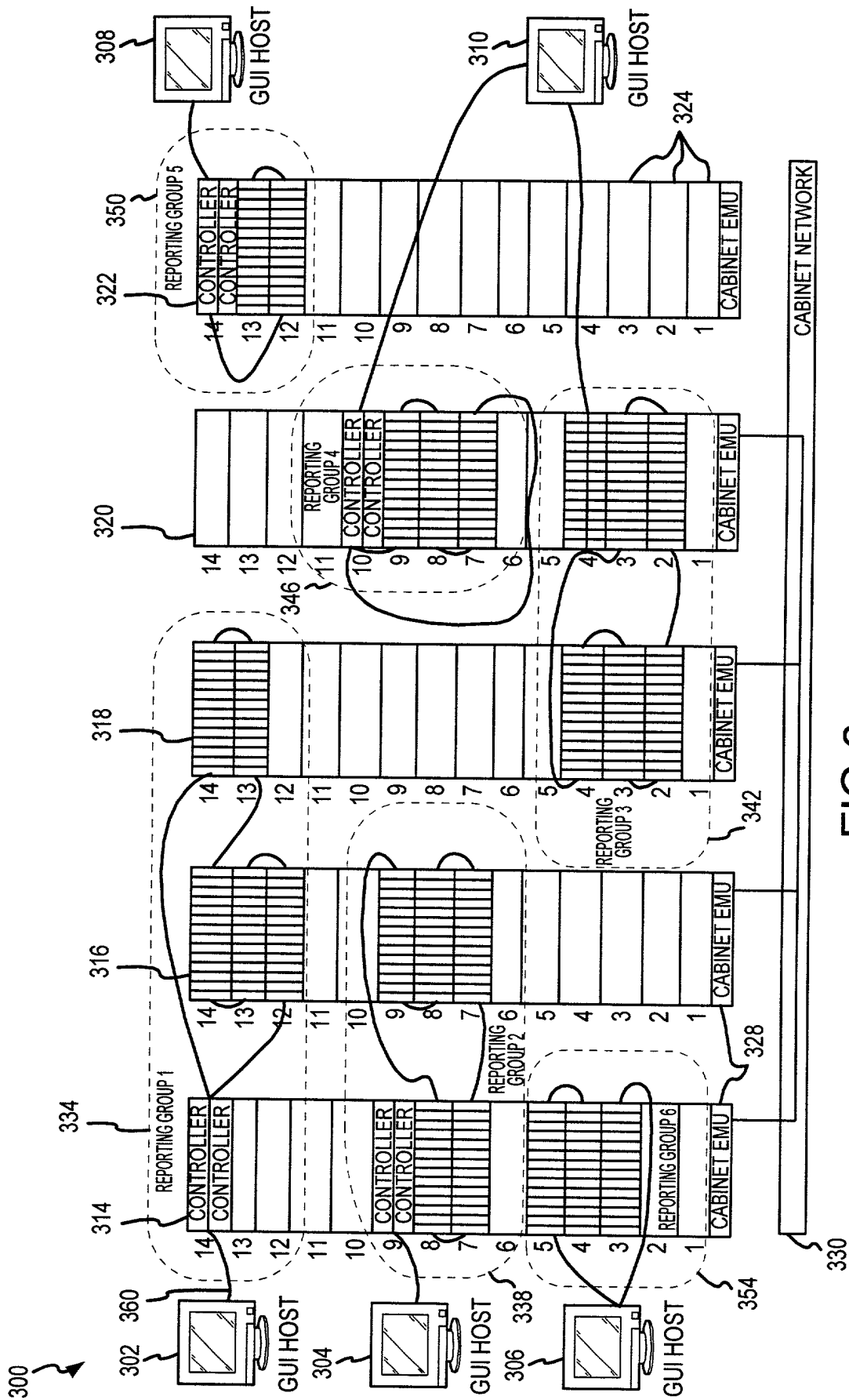


FIG.6

FIG. 7 is a block diagram of a data structure 400, which is a message format. The data structure 400 includes a header 402 and a payload 406. The header 402 includes a sender's reporting group number 410, a sender's cabinet number 418, and a sender's shelf number 414. The payload 406 includes a message code 434, control bits 438, and a primary EMU 438.

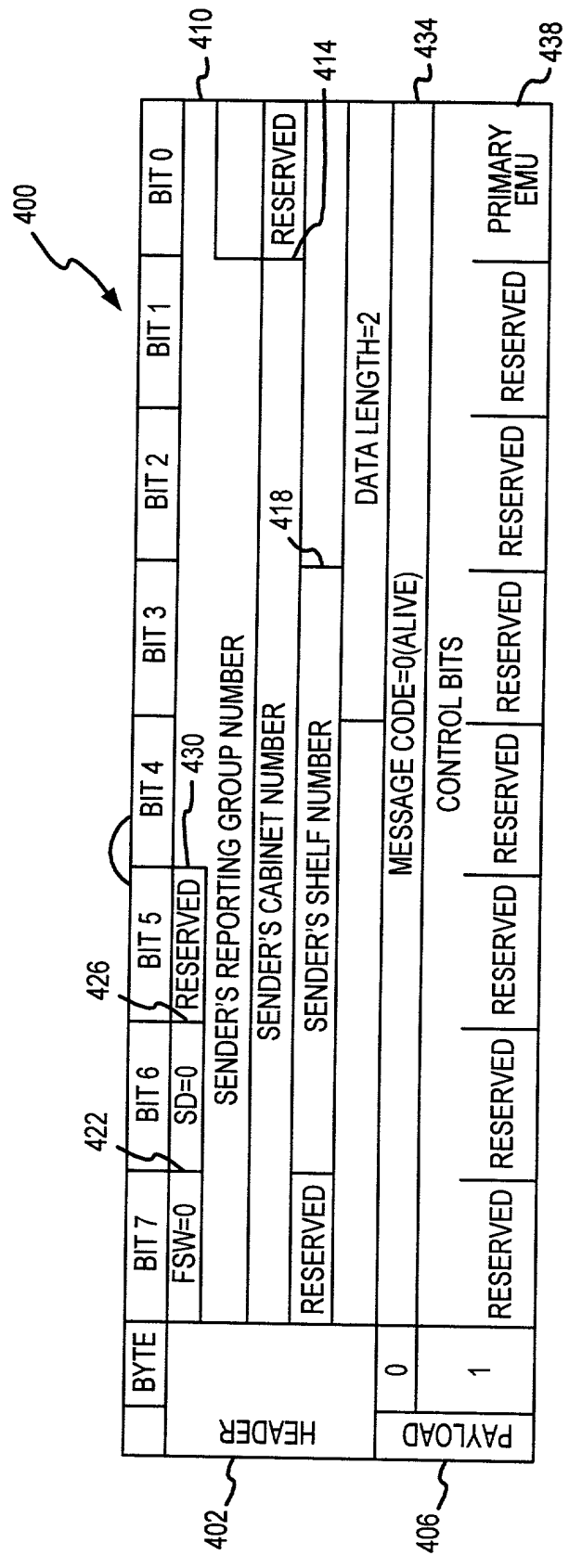


FIG.7

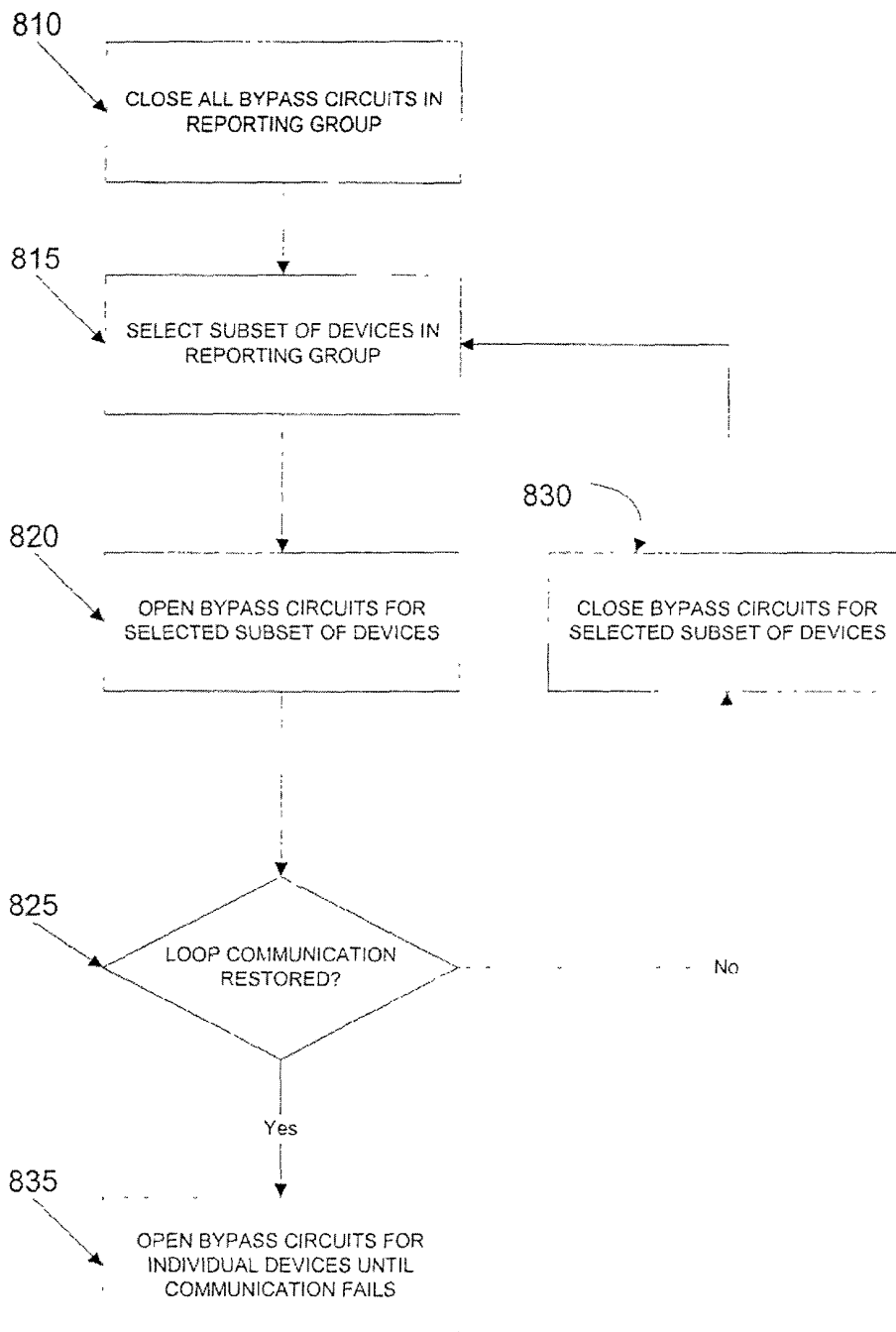


FIG. 8

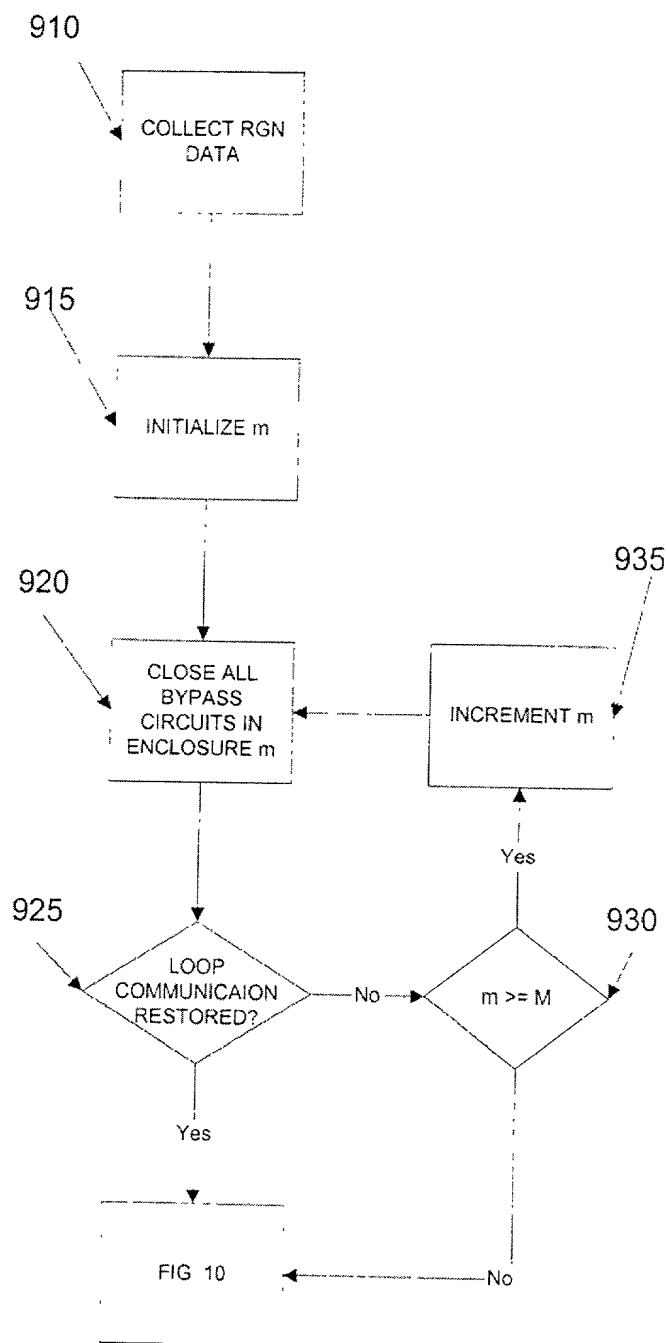


FIG. 9

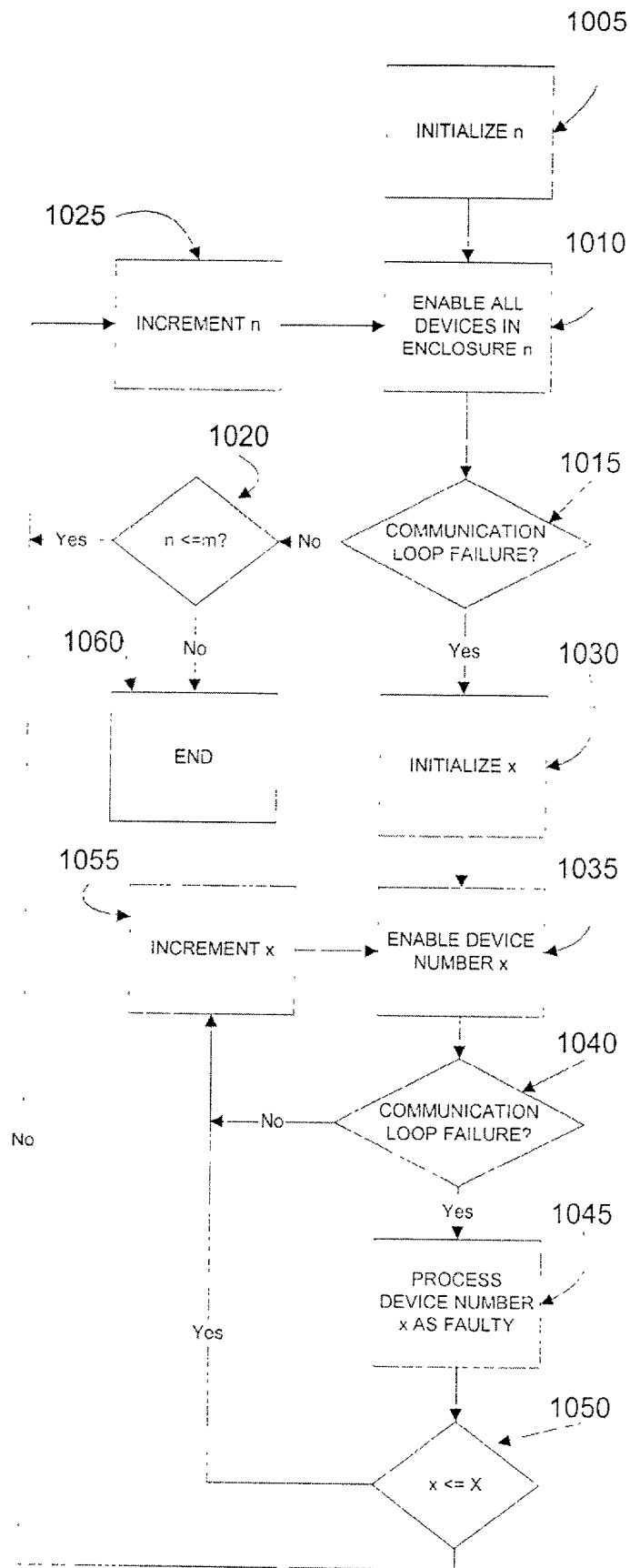


FIG. 10